production of other revenue in the two years, while the percentage on the exploitation of material by departmental agency was reduced from 55 in 1893-94 to 50 in 1894-95, which is in itself a satisfactory feature of the year's working.

128. The difference in the value of timber and other produce on hand at sale and forest depôts at the beginning and at the close of the year under report was:—

¥.						Value of timber, &c.
					-	Rs.
On 1st July 1894 On 30th June 1895	•••	• • •	•••	•••	•••	52,630
On 30th June 1895	•••			• • •	•••	58,068
In fa	vour o	f the y	ear	•••	•,.	5,438

129. The outstandings on account of revenue have decreased from Rs. 33,942

Outstandings of revenue and advances.

at the commencement of the year to Rs. 4,214,
while those due from contractors and disbursers

stood as follows:—

On 1st July 1894 ... Rs. 1,02,138 On 30th June 1895 ... , 52,586

130. All the Divisional Forest Officers, and especially Mr. Dalal in the Sukkur Division, have not been sparing in their efforts to recover the advances recklessly made under the Departmental system of working introduced in 1892. The balance still due from contractors and disbursers, however, is still high, and it is feared that one-third of the amount at least will prove a bad debt.

Net results of the year's working.

131. The results of the transactions of the two forest years 1893-94 and 1894-95 are compared below:—

,		1893-94.	1894-95.
		Rs.	Rs.
Cash Surplus		2,20,782	2,62,066
Value of Stock	•••	52,630	58,068
Outstandings of Revenue	•••	38,915	$5,\!174$
	Tot	al 3,12,327	3,27,308
Deduct—			
Outstandings and liabilities of contractors and disbursers.	n accou	nt of 1,02,138	52,586
, Total	net prof	it 2,10,189	2,74,722

The above figures speak for themselves and no comment is necessary.

CHAPTER V.

FOREST ADMINISTRATION.

132. The forest administration of the Sind Circle is not conducted altogether on the lines laid down in Government Resolution No. 7107, dated 6th September 1892, not applied wholly to the Sind Circle.

Resolution No. 7107, dated the 6th September 1892. The officer in administrative charge of the Circle is directly subordinate to the Commissioner in Sind, but the Divisional Forest Officer's relation with the Collec-

tors of districts are not on the same footing, for the simple reason that forest divisional charges do not coincide with the fiscal divisions. It was deemed expedient, therefore, after some correspondence with the Commissioner not to disturb the existing arrangements of keeping Divisional Forest Officers under the sole control of the head of the Forest Department.

133. The charge of the Circle and of the various divisions was held by Officers in charge. the officers as detailed below:—

The late Mr. Hexton from 1st to 27th June 1894.

Mr. G. M. Ryan from 28th June to 24th September 1894.

The late Mr. Hexton from 25th September to 10th October 1894.

Mr. G. M. Ryan from 11th to 28th October 1894.

Mr. F. R. Dasai from 29th October 1894 to 30th June 1895.

Sukkur Division ... Mr. B. H. Dalal, whole year.

Naushahro do. ... Mr. O. H. L. Napier, whole year.

Hyderabad do. ... Mr. Shaukiram P. M., whole year.

Jerruck do. ... Mr. G. M. Ryan, whole year.

134. Mr. Tuljaram Nihalchand, Extra Assistant Conservator of Forests, III

Messrs. Tuljaram and Deshpande.

B. G. Deshpande was transferred from the Southern to the Sind Circle under Government Resolution No. 2377, dated 23rd March 1895, reporting himself for duty on the 26th April 1895.

Range Forest Officers.

Cers in charge of ranges, 2 Rangers and 5 Foresters of whom were trained in the College of Science, Poona, and hold certificates. The Circle now supports 4 paid students, one of whom joined soon after the year closed. One private student, the son of a retired Extra Assistant Conservator of Forests, holding a Ranger's certificate from the Dehra Dun Forest School, was appointed on the 28th June 1895 to take executive charge of the areas constituted Reserved Forests in the Ghorabari Taluka of the Karachi District under Government Notification No. 3436, dated 7th May 1895. No less than 13 range charges out of a total of 22 are held by Foresters who are imperfectly educated and who are incapable of carrying out the work which the improved management and treatment of forests devolves on them.

136. The Divisional Staff, being by no means strong, is hardly sufficient to keep pace with the routine work and is unable to minutely scrutinize the range accounts and returns. The Circle office is also numerically weak, and the clerks are of ten compelled to work from early in the morning till late in the evening to cope with their duties. The re-organization of office establishment is, therefore, a matter of urgent necessity. When every one has tried to do his best, it would be invidious to make a distinction, but the intelligence and diligence of Mr. Parmanand Udharam, Head Clerk in the Circle office, merit special commendation.

Conduct of subordinate protective staff.

Conduct of subordinate protective staff.

Divisional Forest Officers to have been tolerably satisfactory, except in the Sukkur Division, in which the black list of the year is a very heavy one as will be seen from the following details:—

Forester Sanwal Khan, on Rs. 20, was prosecuted for criminal breach of trust with respect to a sum of Rs. 1,222, and was convicted and sentenced by the Sessions Judge of Shikarpur to undergo two years' rigorous imprisonment with a fine of Rs. 1,000 or six months' extra imprisonment in default, and the sentence was confirmed on appeal by the Sadar Court.

Circle ...

Forester Isardas on Rs. 20, a trained officer, was reduced to Rs. 15, for conniving at unauthorized cultivation within forest limits.

Another trained officer, Ranger Mangharam, and Foresters Rupchand and Khanchand fell victims to the lax system of keeping accounts authorized under the "Departmental" system of working introduced in 1892 and were reduced, the first two to the lowest grade of Foresters and the last to that of Karkuns. Two Sub-Rangers and a Nakedar were dismissed for extortion and misappropriation of money, and another Sub-Ranger for laying a false complaint against his superior officer. A clerk was also reduced from Rs. 30 to Rs. 15 for insubordinate and insolent behaviour towards his superior, the Divisional Forest Officer.

The dismissals and degradations in other divisions were for habitual neglect of orders and duties and for gross carelessness.

- 138. It has been found necessary to punish severely, especially in the Sukkur Division, where great laxity of discipline prevailed before Mr. Dalal's Quasi judicial proceedings are invariably held before dispensing with the services of subordinates both in the upper and lower grades of the executive •as well as protective staff.
- 139. The services of the following Range Forest Officers have been recommended for special mention in the Divisional reports:—
 - Ranger Metharam Deumal.
 - 2. Forester Dalpatrai Jethanand.
 - Bulchand Parumal. 3. ,,
 - 4. ,,
 - Kishindas Isardas. Kauromal Nihalsing. 5.
 - Acting Forester Rabu.
- 140. It is to be regretted that the Sind Forest Department lost by the death of Dayaram Meherchand, in a boat accident Death of Range Forest Officer on the river, the services of a very hard-working Dayaram. and deserving officer.
- The actual expenditure on subordinate protective and office establishments is compared with the sanctioned grant in Sanctioned and actual expenditure the following statement: on establishments

	Establis	hment	s.	}	Sanctioned grant.	Actual expenditure.
Office Protective	•••	•••			Rs. 10,152 38,600	Rs. 10,127 37,432
			Tota	al	48,752	47,819

- 142. Of Divisional Officers, Messrs. G. M. Ryan and B. H. Dalal are deserving of special mention. Mr. Ryan is a Services of the controlling staff. zealous and hard-working officer and takes an intelligent interest in every branch of his work. His management of the Jerruck Division was, as usual, excellent.
- 143. Mr. Dalal has had very arduous duties to perform during the year. The division he was in charge of—Sukkur—was very much neglected in his predecessor's time. Discipline was as lax as it could be, and corruption was rampant, and he set about his task with such untiring energy and quiet determina-

tion that it is now about the best administered in the Province. comparatively a junior officer of the Provincial Service, he came to Sind with an established reputation for intelligent and hard work, and his transfer from the Central Circle occasioned an expression of regret from both the Conservator and the Divisional Forest Officer to whom he was directly subordinate. His selection for filling up the vacancy caused by the reduction of Mr. Baptista was a fortunate one, as the Sukkur Division is the largest as well as the most difficult one to manage. Above all, his work in connection with the prosecution of Forester Sanwal Khan, recorded in paragraph 137, requires to be specially noticed. The case was a very intricate one, and the intelligence and conscientious zeal he displayed in preparing the evidence and exhibits evoked unqualified praise from the Government Pleader who represented the Crown at the trial before the Sessions Court and also from the Public Prosecutor in Sind who conducted the appeal before the Sadar Court. The patience he exhibited during the course of the trial, when he was subjected to a severe cross-examination lasting for two days and when the pleader for the defence made an unwarranted attack on his personal character, also commanded respect.

144. Messrs. O. H. L. Napier and Shaukiram Pribdas have managed their respective charges with care and foresight.

GENERAL REMARKS. -

- 145. The Circle being a compact one and means of locomotion by land and water not wanting, I was able to inspect almost all the forests with comparative facility. In the Sukkur and Naushahro Divisions, I noticed that the rules and orders for the acquisition of new accretions thrown up by the river, framed and issued from time to time by successive Commissioners, have generally been applied in years gone by to the detriment of the forest area. But this condition of things has been changed by the promulgation of the Circular issued by Mr. James in August 1894, and which has been referred to in paragraph 15 of the Progress Report of the Sind Circle for the year 1893-94. It has to be noted that these orders do not find favour with the Revenue officers of the very two districts—Upper Sind Frontier and Shikarpur—in which it was the custom formerly to treat the Forest Department in this matter with little or no consideration.
- 146. It is to be regretted that no steps have yet been taken to constitute the areas notified under Section 4 of the Indian Thar and Parkar District. Forest Act. in November 1891 Reserved Forests in the Thar and Parkar District and place them under the management of the Forest Department. The area of the land is 186 square miles, and they are capable of yielding a large quantity of fuel for the Railway, as experimental cuttings made in 1892 by Forest officers showed that an outturn of about 3,000 cubic feet per acre was obtained from some of the "Dhaka" numbers. importance, therefore, of bringing such a valuable State property under rational management cannot be underrated. Now that the Hyderabad-Umarkot Railway is to be extended across the Sind desert and the Kotri-Rohri line is under construction, it is absolutely necessary that an adequate establishment should be maintained and effective control introduced in these forests for the purpose of keeping up a cheap and permanent supply of fuel to meet the requirements of both the Railways. Unless exploitation is carried on systematically and works of improvement and reproduction are undertaken under intelligent management without loss of time, it will be found impossible later on to work them with advantage.
 - 147. The external relations of the Department have been on the whole very satisfactory as the following extracts from two of the Divisional reports show:—
- Mr. Ryan, commenting on the forest offences tried by Magistrates in the Jerruck Division, records:
 - "—but it ought not to be omitted from mention that the Assistant Collector, "Shahbandar, Mr. Lawrence, I. C. S., and the Mukhtyarkar of "Mirpur Batora, Mr. Rochiram, rendered the Department consider-

"able help in the disposal of cases, for which many acknowledgments are due to them. Without their aid, it would have been
almost impossible to cope with some of the 'Maldars' who became
very unruly."

Mr. Dalal, the Divisional Forest Officer, Sukkur, states:

"In conclusion, I wish to place on record my grateful acknowledgments "for much useful advice and assistance received during the year "from Colonel Mayhew, Collector and District Magistrate of Shikar-"pur. It is mainly by the influence and hearty co-operation of "that officer that I was able to hold my own against the powerful com-"bination of interests brought to bear on me in Sanwal Khan's case. "The keen interest which Colonel Mayhew takes in arboriculture, in "the spread of plantations and in forest matters generally is well "known. Whenever I had occasion to seek his advice or assistance, "Colonel Mayhew has been ever ready to give a sympathetic hearing "and to do what lay in his power to advance the interests of the "Department."

148. The records and accounts of all the Divisional Forest Offices were examined during the year, and no serious mistakes were discovered. Mr. Parmanand Hirdaram, Head Accountant, performed this duty with his customary care and accuracy.

F. R. DASAI,
Deputy Conservator of Forests,
Sind Circle.

FORM No. 46.

FORM
FOREST DEPARTMENT,
Area of Reserved

							ABEA ON 1ST	APRIL 1894.	ADDED DUBING THE YEAR.
Division or Rang	Name of Forest.					Acres.	Equivalent in square miles.	Acres.	
		Raoti			• • •		8,129	12·449 2·445	
		Daresh Ubauro	200	***	•••		$\frac{1,725}{3,150}$	4.590	
		Mirpur Raharki	***	***	***		$7,251 \\ 1.654$	$\frac{11.211}{2.374}$	•••
		Reti	*12		•••		2,388 972	3·468 1·332	
		Kangu Narli			***		1,376	2:960	"" 00*
		Sarhad Islam	•••	•••	•••	:::	$\frac{3,529}{2,064}$	5·329 3·144	1,835
		Jehanpur	•••	• • •	•••	• •	4,340 8,985	$6.500 \\ 14.250$	321
		Bahab Budh	•••	.,.	***		1,217	1.577	•••
		Sadhuja Shahpur	•••	***	•••	•••	$7,641 \\ 11,215$	11.601 17.335	29
		Pawhari,	•••	•••	•••		587 3,407	587 5.207	***
		Hussenbeli Azizpur		•••			880	1.240	
		Ding Syedpur	•••		***		1,543 8,216	2·263· 12·586	184
	1	Rohri	•••	•••	•••		$22,551 \\ 1,753$	35·151 2·473	•••
	Shikarpur	Sultanpur Saliani	•••	•••			5,014	7.534	
		Ghotki Adilpur	•••	•••	•••		4,200 $13,757$	6.360 21.317	3,707
	1	Walu Mahar	•••		•••		2,648	4·880 3·332	
		Samowah Wasir			•••		$\frac{2,252}{1,417}$	2.137	
Sukkur]	Jarwar	•••		•••		$2,839 \\ 5,604$	4·279 8·484	
Dakata	}	Abad Kadurni Bindi			•••		2,306,	3.386	
		Khia Bindi Shah			•••	:::	3,118 $13,433$	4.558 20.633	
		Bindi Dhareja		•••			6,866	10.466 4.400	
		Kadrapur Mohro Mari	···	•••	•••		2,564 $11,857$	18:337	
		Andaldal Bagarji	•••	• • •	••	•••	12,104 $13,884$	18·594 21·444	
		Raiswah	•••	•••	•••		905	1·265 5·414	
		Lakhi Ghari Halim		•••	•••		3,614 $2,096$	3:176	
		Kot Sultan		•••	•••	•••	$17,342 \\ 6,616$	27.620 10.216	
		Jamshero Jangan	•	40	•••		2,291	3.710 1.345	
		Abad Mehrabpur		•••	111		985 991	1.351	
		Dilawarpur		•••		• • • •	$925 \\ 1,923$	1·285 3·300	•••
		Milkiat Sircar Bakapur		•••			9,839	15.239 1.501	***
	UpperSindFrontier_		•••	•••			1,141 $5,334$	8.214	***
		Sarki			•••		3,773 765	5.573 1.125	
		Baluchabad Korar	***	•••	***		875	1.235	
		Mirpur		• • •	•••	***	6,978 5,770	10.578 9.100	
	}	Karampur Keti Sadhuja	•••		•••		6,001	9.241	
		Tetal	Sulal	kur Di	vision		286,600	447-520	5,581
		10001	, Duk	Eur Di	ANDIOIN				
		Dosu		•••	***		4,033 5,575	6·193 8·455	
		Keti Ubhro Kanuri		•••	•••	•••	3,630	5.430	
		Sharifpur Bahman	***	***	***	•••	1,027 1,547	1·387 2·267	
		Nao-abad	•••	•••	•••	***	2,205	3.285	
		Phati Bilawal		•••	•••	•••	711 11,684	1.710 18.164	***
		Muso	***	***	•••	•••	4,755 2,056	7·275 3·136	
Naushahro	Shikarpur	Kasimshah Nari	•••			•••	1,419	2.139	•••
		Dangar Soi		•••			3,685 5,108	5·485 7·628	
		Abrepota			***	•••			1,309 1,12
		Kacho Beliga Kacho Akil	i		•••	:::	***		7,12
		Budo Dero	•••	***		• • •	1,555 5,849	2)275 9·890	
		Ghangharko Gaji Dero Garhi Yasin		***	•••	•••	4,238 25,328	6·398 39·368	•••

1	8,129 ;	12:449		
***	1,725	2.445	1	
	3,150	4.590		
•••	7,251 1,654	11·211 2·374		
	2,388	3.468		
:::	972	1.332		
	1,376	2.960	** O. O. P. O. V. D. T.	
	4,864 2,064	7·884 3·144	No. 2405 of 25th March 1895.	
	4,661	7.181	No. 2405 of 25th March 1895.	
	8,985	14.250		
	$\frac{1,217}{7,670}$	1.577 11.630	No. 2405 of 25th March 1895,	
	11,215	17.335	No. 2403 61 25th Maich 1655.	
	587	:587		
	3,407 880	5·207 (1·240		
	1,543	2.263		
:::	8,400	13.800	No. 2405 of 25th March 1895.	
9,432	13,119	20.319	No. 5857 of 10th July 1894.	
•••	1,753 5,014	2·473 7·534		
***	7,907	12.227	No. 2405 of 25th March 1895.	
	13,757	21.317		•
	2,648 2,252	4.880 3.332		
***	1,417	2.137		
***	2,839	- 4.279		
•••	5,604	2 8·484 3·386		
	2,306 3,118	4.558		
	13,433	20.633	<u>.</u>	
***	6,866	10.466		
	2,564 11,857	4·400 18·337		
	12,104	18.584	·	
•••	13,884	21.444	4	
	905 3,614	- 1·265 5·414-		
	2,096	3.176		
.,.	17,342	27.620		
111	6,616	10.216 3.710		
1"	2,291 985	1.345		
	996	1.356		Added by rectification of figures
	925	1.285		caused by revision survey.
	1,923 9,839	3·300 15·239	No. 3129 of 26th April 1895.	
1,141			Do.	
5,334	•••	***	Do,	
3,773	765	1.125		
*** 875		•••		
6,978	٠	***		
5,770	6,001	9.241		
•••	0,00			
33,303	258,878	404 318		
50,005	200,01,0	7 202020	-	
	4,033	6.193		
	5,575	8.455	•	
	3,630	5'430	-	
	1,027 $1,547$	1·387 2·267		
***	2,205	3.285		
711		10.104	G. R. No. 5418 of 26th June 1894.	
•••	11,684 4,755	18·164 7·275		i
	2,056	3.136		•
	1,419	2.139	No. 000 of 0m 2 H-1	
3,685	5,108	7.628	No. 898 of 2nd February 1895.	
***	1,309	2.290	G. R. No. 6180 of 23rd July 1894.	1
10-	1,127	1.487	D_0 .	
}	271 1,555	·271 2·275	No. 7742 of 17th Sept. 1894.	
	5,849	9.890		
	4,238	6.398	1	
•••	25,328 4,213	39·368 6·373	No. 8125 of 12th October 1894.	[
•••	9,210	0 3/3	and other of and other tops	
			-	

Naushahro- continued			Bhaur Mohbat-dero Samtia Kamal-dero Bhorti Dalipota Bindi Sono Abadblock Muso-dero Lundi Khairo-dero Lalia Kazampur Bagban Bhan Phaka Kalubori			10,539 8,045 3,390 1,365 10,790 867 13,073 4,192 2,924 1,947 1,138 2,207 748 925	16:299 12:365 5:190 2:850 16:550 1:227 20:278 6:352 4:364 3:270 1:498 3:287 1:108 1:285	
			Total, Na	ushahro Di	ivision	146,555	228.635	11,429
Hyderabad	Hyderabad		Bahawal Shah Nasri Mad Kacho Mad Kacho Mad Kacho Mahrabpu Mahrabpur Mari Pai Keti Jurio Nokar Rano Amin Lakho Kunar Kari Reeshal Nurketi Bhanote Do Sharki Khanote Ghotana Salaro Murid Rais Khebrani Sekhat Jakhri Matiari Ghali Do Miani Kathri Gundi Mahomed Khar Hingorani Elchi Jamshoro Shahmakai Keti Mehrani Katoho Gidarji Butto Lakha Manjhand Unerpur Ghag Total, H	Kelisadik Khanote Keti Khan		5,130 2,125 1,627 4,061 4,061 841 2,080 1,926 5,354 5,341 4,917 756 2,150 181 292 314 5,523 1,701 5,523 1,701 855 7,748 1,539 10,705 1,296	9'620 2'276 4'820 5'138 23'330 8'100 3'205 2'347 6'221 1'201 13'346 1120 3'160 3'600 8'234 4'481 7'437 1'116 3'230 181 292 314 8'403 2'421 1'215 12'680 2'259 16'465 2'160	123 295 590 1,518 583 128 583 128 331 578 1,665 3,237 5,52 1,180 2,282 2,735 1,409 1,536 2,948
Jerruck	{ Karachi	{	Sonda Hilaya			0.714	14:182 3:194 4:338 8:310	·

Jerruck	Karachi	;	Malir Kacho Alibaha Surjani Kot Almo Penah Susati Khirsar Huderani Surjani Ganj Hazari Makholo Achmarho Jurar Budka Takar Khadi Phatah Mulchand	j randas			1,690 4,079 313 715 6,413 5,890 3,362 24 3,000 3,410 2,335 6,169 39 1,380 5,511 1,364 2,228 2,483 496 	2:410 6:239 :313 1:750 10:130 9:130 5:162 :240 4:440 5:210 3:415 9:409 :390 2:100 8:391 2:840 3:308 3:563 496 	3,392 6,613
٠	Hyderabad		Khatro Khathar Katiar Khirdahi Tikhur Khokhar		***	***	. 416 2,975 952 290 1,709 1,556	216 4.415 1.312 290 2.429 2.276	····
				Jerruck :			89,911	140-111	10,005
				Jerruck Grand T		•••	89,911 625,123	976.483	10,005 50,796

Camp Sonda Forest, 25th November 1895.

206 40	10,333 8,005 3,390 1,365 10,790 867 1,168 1;972 9 569 791 13,073 4,192 2,924 1,947 1,138 2,207 748 925	16·930 12·325 5·190 2·850 16·550 1·227 1·528 3·520 ·900 ·569 1·151 20·273 6·352 4·364 3·270 1·498 3·287 1·108	G. B. No. 9957 of 5th Dec. 1894. No. 897 of 24th Sept. 1894. No. 1726 of 1st March 1895. No. 8124 of 12th Oct. 1894.
4,642	153,342	239:382	
	6,380 123 295 590 1,518 1,556 2,642 - 588 1,028 - 3,338 14,753 - 5,130 2,125 331 1,627 578 1,665 3,237 4,061 1,180 1,180 2,282	9-620 123 295. 590 2-238 2:276 4-820 583 1:388 -5-138 23:330 -8:100 3:205 331 2:347 578 2:385 5:370 552 6:221 1:540 1:201 3:362	
	2,948 760 2,980 1,926 5,354 3,041 653 4,917 756 2,150 181 101 187 292 314 5,523 1,701 855 7,748 2,150 1,539 10,705 1,296	13 346 4 175 2 129 2 256 4 388 1 120 3 160 8 600 8 234 4 481 1 130 7 437 1 116 3 230 181 101 187 292 314 8 403 2 421 1 215 12 630 250 2 259 16 465 2 160	
	9,142 2,114 2,898 5,151	14·182 3·194 4·338 8·310	

No. 46.
SIND CIRCLE.
Forests, 1894-95.

AREA ON 1ST MARCH CONTROL 1895.		ST MARCH *	No. and date of Notification of addition or transfer.	Rewarts.		
Acres.	Aores.	Equivalent in square miles.	addition or transier.			
	1,690	2.410				
	4,079	6-239		i		
	313	·313				
411	715	1.750				
•••	6,413	10.130				
•••	5,890	9.130	7 10			
	3,362	5.162		1		
	24	240	-	1		
	3,000	4.440		1		
,,,	3,410	5.210		Į		
	2,335	3.415				
	6,169	9.409				
	39	.390				
•••	1,380	2.100				
***	5,511	8.391	1			
	1,364	2.840		ł		
	2,228	3.308				
	2,483	3.563		l		
	496	496		1		
	3,392	5.192	No. 2645 of 2nd April 1895.			
***	6,613	10.213	No. 2951 of 6th April 1895.	İ		
	975	1.335				
	4,500	7.200		1		
	258	.258				
	5,454	8.334				
1	400	.400		1		
	420	·420	-	İ		
•••	416	416		1		
•••	2,975	4.415		l		
•••	952	1.312	\ .			
	290	290		1		
	1,709	2.429		(
•••	1,556	2.276				
	99,716	155.516				
37,945	637,974	996.534				

F. R. DASAI,
Deputy Conservator of Forests,
Sind Circle.